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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080002
Agency Interest No. 5051

Mr. Marty Johnston
Plant Manager
CARBO Ceramics, Inc.
4810 Industrial Dr
New Iberia, LA 70560

RE: Part 70 Operating Permit Modification, CARBO Ceramics – New Iberia Facility
CARBO Ceramics, Inc., New Iberia, Iberia Parish, Louisiana

Dear Mr. Johnston:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 1st of July, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 1260-00027-V3

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:CWS
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
CARBO CERAMICS, INC. - NEW IBERIA FACILITY
PROPOSED PART 70 AIR OPERATING MINOR MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 Air Operating Minor Modification for CARBO Ceramics, Inc., 4810 Industrial Drive, New Iberia, LA 70560, for the New Iberia Facility. **The facility is located at 4810 Industrial Dr., New Iberia, Iberia Parish.**

CARBO Ceramics, Inc., owns and operates the New Iberia Facility, which produces ceramic proppant through the sintering of bauxite and clay materials for use in the oil and gas wells. CARBO Ceramics requested a minor modification to install a new resin coating facility at the New Iberia Facility. The new resin coating facility will produce resin-coated proppant to be used in the hydraulic fracturing process in the natural gas and oil industry.

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	152.91	158.55	+ 5.64
SO ₂	248.69	248.71	+ 0.02
NO _x	225.42	228.64	+ 3.22
CO	34.88	37.59	+ 2.71
VOC *	0.82	3.80	+ 2.98
* Toxic VOC included in Totals	-	2.80	+ 2.80
Toxic Non-VOC compounds	-	< 0.01	< 0.01

* Toxic compounds include the following compounds whose increase is above the Minimum Emission Rate (MER) listed in LAC 33:III.Chapter 51.Table 51.1: Formaldehyde and Phenol.

Prevention of Significant Deterioration (PSD) review is not required for this permit modification. The New Iberia Facility is not listed as one of the 26 source categories in LAC 33:III.509.B.Table A nor does it have the potential to emit of 250 TPY of any criteria pollutant.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, October 19, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send

notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, submitted additional information, proposed Part 70 Air Operating Permit Minor Modification, and Statement of Basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.

Additional copies may be reviewed at the Iberia Parish Library, Headquarters, 445 East Main Street, New Iberia, LA 70560.

Inquiries or requests for additional information regarding this permit action should be directed to Mr. Christopher Smith, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3831.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 5051, Permit Number 1260-00027-V3, and Activity Number PER20080002.

Scheduled Publication Date: September 15, 2009

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

CARBO Ceramics - New Iberia Facility

Agency Interest No.: 5051

CARBO Ceramics, Inc.

New Iberia, Iberia Parish, Louisiana

I. Background

CARBO Ceramics, Inc. is the owner and operator of the New Iberia facility, an existing ceramic manufacturing plant. The New Iberia facility began operation in 1978 under the name Carborundum. The New Iberia Carborundum facility was purchased in 1987 and the name was changed to CARBO Ceramics, Inc. The New Iberia facility currently operates under Permit No. 1260-00027-V2, issued November 26, 2008.

This is a modification for the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by CARBO Ceramics, Inc. on September 30, 2008 requesting a modification to the Part 70 operating permit. Additional information dated November 17, December 23, 2008, March 4, June 1, 15, 30, August 3, 4, and 14, 2009, was also received.

III. Description

CARBO Ceramics, Inc. operates two (2) proppant plants at the New Iberia facility which produces ceramic media and ceramic proppant through the sintering of bauxite and clay materials. Ceramic proppant is used, primarily, in the hydraulic fracturing process of natural gas and oil wells to increase their productivity of valuable natural resources. Technically engineered ceramic material is marketed for applications in the foundry metal casting and industrial mineral grinding industries as an alternative to silica and specialty sands.

Raw material feed stocks for the facilities are calcined bauxites and clay obtained from domestic and foreign sources and titanium dioxide.

In either plant, the process is essentially the same and other than the difference in physical size, the differences are minor and related to the processing equipment.

Raw materials are crushed to a fine particle size in a ball mill, separated by particle size and then transported to a silo to be used as feed for pelletizers. Dust collectors are used at the milling and pelletizing step to recover the fine dust and return it for processing. Ground dust is then agglomerated (pellitized) into a range of pellet sizes. These pellets are then dried in a rotary dryer burning natural gas. Again a dust collector is used at the dryer to collect dust to be returned for pelletizing. Pellets proceed to the rotary kiln for firing. The rotary kiln calcines the pellets and then discharges those into a rotary cooler. Cooled proppants are then

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screened and sent to storage or to customer via truck or rail. Dust collectors are employed at the kiln and screening operations.

In Permit No. 1260-00027-V2, CARBO Ceramics sought a modification to allow for operational flexibility at the New Iberia facility. The SO₂ emissions from the three Kiln Dust Collector Stacks (EQT006, NI82-12 - Kiln #1 Dust Collector Stack, EQT007, NI81-12 - Kiln #2 Dust Collector Stack, and EQT008, NI83-12 - Kiln #3 Dust Collector Stack) were limited to 247.69 TPY through an emissions cap. CARBO monitors the processing rate of material to the kilns and also the clay sulfur content to ensure the SO₂ emission rate remains below the CAP over a 12-month rolling average.

Resin Coating Facility Project

CARBO Ceramics intends to install a new resin coating facility at the New Iberia Facility. The new resin coating facility will produce resin-coated proppant to be used in the hydraulic fracturing process in the natural gas and oil industry.

The resin coated proppant is produced in batches. Feed proppant is weighed and fed to a natural gas fired heater. The heater is designed to fire up to 5 MM BTU/hr of natural gas. The heated proppant is fed to the batch mixer. The heater products of combustion are routed to atmosphere through the heater stack (EQT075, NI08-01 – RC Heater).

In the batch mixer, the hot proppant is mixed with a proprietary mix of resin products and water. Once the materials are fully mixed and reacted in the batch mixer, the batch is sent to the continuous mixer. The batch mixer is vented to a natural gas fired thermal oxidizer (EQT074, NI08-02 – RC Thermal Oxidizer) for control of VOC and HAP emissions.

The continuous mixer completes the mixing of the batch to produce the uniform high quality product desired for each batch. Once the batch is completed it is sent to the cooler. The continuous mixer is vented to EQT074 for control of VOC and HAP emissions.

The cooler removes the residual heat from the finished batch. The cooler is vented to EQT076, NI08-03 – RC Nuisance Dust Collector, for particulate control.

For raw material and finished product handling, there are numerous screw conveyors, bucket elevators, feed hoppers, vibratory feeders, and belt conveyors which either have dust collection headers that are vented to EQT076 for particulate control or are included in one of the Fugitive CAP Sources.

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CARBO is revising the fugitive emission CAPS to distinguish the sources based on NSPS applicability and location at the site.

- GRP002, FUG001 - Non-NSPS Outside Fugitive Emissions CAP;
- GRP003, FUG002 - NSPS Outside Fugitive Emissions CAP;
- GRP005, FUG003 - Plant 1 Non-NSPS Inside Fugitive Emissions CAP;
- GRP006, FUG004 - Plant 1 NSPS Inside Fugitive Emissions CAP;
- GRP007, FUG005 - Plant 2 Non-NSPS Inside Fugitive Emissions CAP;
- GRP008, FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP.

The source EQT074 receives vent streams from the batch mixer and continuous mixer. The thermal oxidizer is designed to achieve a 98% or greater VOC destruction efficiency.

In addition to the new resin coating facility, CARBO is requesting to add a cone crusher, crusher feed belt and crusher product belt to the existing ceramic proppant and ceramic media production facility. The Resins Coating project is adding a cone crusher, unloading conveyor, transloader, and grizzley screen. The additional equipment does not result in a production increase and will be located inside a building and will result in minor PM emission increases.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	152.91	158.55	+ 5.64
SO ₂	248.69	248.71	+ 0.02
NO _x	225.42	228.64	+ 3.22
CO	34.88	37.59	+ 2.71
VOC *	0.82	3.80	+ 2.98

* VOC LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Formaldehyde	-	1.14	+ 1.14
Phenol	-	1.66	+ 1.66
Total		2.80	+ 2.80

Non-VOC LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	-	< 0.01	+ < 0.01

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations. A review of New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Prevention of Significant Deterioration (PSD) was not required for this minor permit modification.

Prevention of Significant Deterioration (PSD) review is not required for this permit modification. The New Iberia Facility is not listed as one of the 26 source categories in LAC 33:III.509.B.Table A nor does it have the potential to emit of 250 TPY of any criteria pollutant.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The following federal NSPS regulations apply to sources at this facility:

NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
NSPS Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2009; and in the <local paper>, <local town>, on <date>, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US

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EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
PM ₁₀	24 hour	148.79 µg/m ³	150 µg/m ³

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _X	CO	VOC
* Emergency Diesel Engine (279 hp)	1,176 hr/yr	0.35	0.33	4.97	1.07	0.40

IX. Insignificant Activities

ID No.:	Description	Citation
ISA-D1	Laboratory Dust Collector (7.5 HP)	LAC 33:III.501.B.5.D

* These items currently qualify as General Condition XVII activities. Any replacement of these items by new engines that are affected sources under either NSPS IIII or JJJJ, will require a permit modification and a removal of the sources from the insignificant activities list.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
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CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33-III Chapter										40 CFR 60 NSPS				40 CFR 63 NESHAP			
		509	51*	52*	53*	54*	55*	56	57*	58*	59*	60	61	62	63	64	65	66	
UNF001	CARBO Ceramics - New Iberia Facility	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
EQT002	NI07-01 – Dryer #1 Dust Collector Stack	1		1	1	3										1			3
EQT003	NI78-02 - Uncalcined Dust Collector Stack	1			1											2			3
EQT004	NI81-07 – Rotary Gas Dryer #2 Dust Collector Stack	1		1	3											2			3
EQT005	NI81-09 – Uncalcined Dust Collector Stack	1			1											2			3
GRP004	Kiln SO ₂ CAP	1																	
EQT006	NI82-12 – Kiln #1 Dust Collector Stack	1		1	1	1										2			3
EQT007	NI81-12 – Kiln #2 Dust Collector Stack	1		1	1	1										2			3
EQT008	NI83-12 – Kiln #3 Dust Collector Stack	1		1	1	1										2			3
EQT009	NI82-10 – Calcined Dust Collector Stack	1		1	1	1										2			3
EQT010	NI82-15 – Calcined Dust Collector Stack	1		1													2		3
EQT011	NI84-16 – Tank T-7 Bin Vent	1		1		3										3			3
EQT012	NI84-17 – Fresh Feed Tank Bin Vent Dust Collector East/West	1		1		3										3			3
EQT013	NI84-18 – Remix Bin Vent Dust Collector East/West	1		1		3										3			3

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter												40 CFR 60			40 CFR 63			NESHAP			40 CFR		
		54	509	6	9	15	21	22	29	A	Ka	Kb	000	III	II	C	G	52	6	89					
EQT014	NI84-21 – Ball Mill #3	1		1									1								3				
EQT015	NI08-01 – RC Heater				1	1	3																		
EQT014	NI08-02 – RC Thermal Oxidizer	1		1	1	3																			
EQT016	NI08-03 – RC Nuisance Dust Collector				1																3				
GRP002 FUG001 – Non-NSPS Fugitive Emissions																									
EQT015	BC007 – Plant 1 Silo Area Silo 1-1 Scale Belt Conveyor																	2					3		
EQT016	BC008 – Plant 1 Silo Area Shuttle Belt Conveyor																	2					3		
EQT021	BC027 – Plant 1 Silo Area Silo 1-2 & 1-3 Scale Conveyor																	2					3		
EQT023	BC029 – Product Loadout Conveyor #1																	2					3		
EQT024	BC030 - Product Loadout Conveyor #2																	2					3		
EQT035	BE010 - #1 Ball Mill Raw Material Bucket Elevator																	2					3		
GRP003 FUG002 – NSPS Fugitive Emissions																									
EQT038	BC001 – Light-Weight Loadout Cambelt Belt Conveyor																	1					3		

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New Iberia, Iberia Parish, Louisiana

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ID No.:	Description	LAC 33:III:Chapter												40 CFR 60 NSPS	40 CFR 63 NESHAP	40 CFR
		5	6	7	8	9	10	11	12	13	14	15	16			
EQT039	BC002 – Kiln #3 Feed Tank Conveyor													1		3
EQT040	BC003 – Dock #1 Cambelt Belt Conveyor													1		3
EQT041	BC004 – Rail Scale Long Belt Conveyor													1		3
EQT042	BC005 – Rail Scale Cross Belt Conveyor													1		3
EQT043	BC006 – Rail Scale Shuttle Belt Conveyor													1		3
EQT044	BC009 – Plant 1 Silo Area Off-Size Rapat Belt Conveyor													1		3
EQT050	BC021 – K-Tron Weight Belt Feeder #1 on Ball Mill #1													1		3
EQT051	BC022 – K-Tron Weight Belt Feeder #2 on Ball Mill #1													1		3
EQT064	BE002 – Dock #1 Bucket Elevator													1		3
EQT065	BE003 – Plant 1 Silo Area Off-Size Bucket Elevator													1		3
EQT066	BE004 – Rail-car Bucket Elevator at the end of the Runway													1		3
EQT062	BC046 – Ball Mill #1 K-Tron Weight Belt #1 Feeder #3													1		3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter												40 CFR 60 NSPS				40 CFR 63 NESHPAP				40 CFR			
		5	6	509	510	29	31	15	13	3	2	15	13	3	000	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡
EQT063	BC047 – Ball Mill #1 K-Tron Weight Belt #1 Feeder #4																								
GRP005	FUG003 – Plant 1 Non-NSPS Inside Fugitive Emissions CAP																								
EQT017	BC011 – Product Weight Belt																								
EQT018	BC016 - #1 Kiln Feed Conveyor																								
EQT020	BC019 – Plant 1 Dryer Feed Conveyor																								
EQT034	BE001 – T-69 & T-71 Elevator																								
EQT022	BC028 – T-69 & T-71 Belt Feeder																								
EQT036	BE011 - #2 Ball Mill Raw Material Bucket Elevator																								
EQT025	BC035 – Plant 1 Mixer #1 Belt Conveyor																								
EQT026	BC036 – Plant 1 Mixer #2 Belt Conveyor																								
EQT027	BC037 – Plant 1 Mixer #3 Belt Conveyor																								
EQT028	BC038 – Plant 1 Mixer #4 Belt Conveyor																								
EQT099	CR002 - Crusher																								
GRP006	FUG004 – Plant 1 NSPS Inside Fugitive Emissions CAP																								

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter										40 CFR 60 NSPS	40 CFR 63 NESHAP	40 CFR 64	40 CFR 65
		5	6	9	509	51	29	22	2	15	3	=			
EQT045	BC010 – Kiln #1 Finished Product #1 Belt Conveyor												1		
EQT046	BC014 – Kiln #3 Feed Conveyor												1		
EQT047	BC015 – Kiln #3 Carbo Sifter Feed Conveyor												1		
EQT048	BC017 – Kiln #1 Finished Product #2 Belt Conveyor												1		
EQT049	BC020 – Ball Mill #1 Feeder (T7 tank)												1		
EQT052	BC023 – K-Tron Weight Belt Feeder #1 on Ball Mill #2												1		
EQT053	BC024 – K-Tron Weight Belt Feeder #2 on Ball Mill #2												1		
EQT067	BE005 - #1 Kiln Refire Belt Feeder												1		
EQT068	BE006 – Kiln #3 Cooler Discharge Bucket Elevator												1		
EQT069	BE007 – Kiln #3 Feed Bucket Elevator												1		
EQT070	BE008 – Rescreen Station Bucket Elevator												1		

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter										40 CFR 60				40 CFR 63				NESHAP				40 CFR			
		54	5	9	509	2	15	21	22	29	51*	53*	56	59*	A	Ka	Kb	III	000	32	4	14	0	52	64	89	
EQT071	BE009 - Kiln #1 Finished Product Bucket Elevator																										
EQT059	BC034 - Kiln #3 Feed Transfer Belt Conveyor																										
EQT072	SE002 - Rescreen Station																										
EQT060	BC044 - Kiln #3 Feed Belt #1																										
EQT061	BC045 - Kiln #3 Feed Belt #2																										
EQT085	BC056 - Cone Crusher Feed Belt																										
EQT1086	BC057 - Cone Crusher Product Belt																										
EQT088	BC059 - No. 1 Uncalcined Belt Conveyor																										
EQT095	CR001 - Cone Crusher																										
GRP007	FUG005 - Plant 2 Non-NSPS Inside Fugitive Emissions CAP																										
EQT019	BC018 - Plant 2 Dryer #2 Dryer Feed Conveyor																										
EQT037	BE012 - #3 Ball Mill Raw Material Bucket Elevator																										

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter										40 CFR 60				40 CFR 63				NESHAP				40 CFR				
		5▼	509	6	13	15	21	22	29	56	53*	51*	59*	A	K	Ka	III	000	E	A	C	4	52	64	68			
EQT029	BC039 - Plant 2 Mixer #1 Belt Conveyor																											
EQT030	BC040 - Plant 2 Mixer #2 Belt Conveyor																											
EQT031	BC041 - Plant 2 Mixer #3 Belt Conveyor																											
EQT032	BC042 - Plant 2 Mixer #4 Belt Conveyor																											
EQT033	BC043 - Plant 2 Mixer #5 Belt Conveyor																											
EQT082	BC051 - RC Cooler Transfer Belt Conveyor																											
EQT083	BC053 - RC Transfer Belt Conveyor																											
EQT084	BC054 - RC Proppant Feed Belt Conveyor																											
EQT087	BC058 - RC Hopper Discharge Belt Conveyor																											
EQT077	BC060 - RC Proppant Cooler Discharge Conveyor																											
EQT078	BC061 - RC Proppant Rotex Screener Discharge Conveyor																											
EQT089	BE014 - RC Raw Material Bucket Elevator																											
EQT090	BE015 - RC Proppant Feed Bucket Elevator																											

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
 Agency Interest No.: 5051
 CARBO Ceramics, Inc.
 New Iberia, Iberia Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33.III.Chapter												40 CFR 60	40 CFR 63	NESHAP	40 CFR	
		NSPS	III	K _a	K	A	59*	56	53*	51*	29	22	15	11	9	509	54	
EQT091	BE016 - RC Finished Product Bucket Elevator																	3
EQT079	BE017 - RC Proppant Cooler Discharge Bucket Elevator																	3
EQT080	BE018 - RC Proppant Silo Bucket Elevator																	3
EQT094	SE005 - RC Grizzly Screen																	3
EQT081	SE006 - RC Proppant Rotex Screener																	3
EQT096	SE007 - No. 1 Raw Material Grisley Screen																	3
EQT092	SB001 - RC Proppant Storage Bin																	3
EQT093	SB002 - RC Proppant Day Bin																	3
EQT097	BC062 - RC Raw Material Unloading Conveyor																	3
EQT098	BC063 - RBT Transloader																	3
GRP008	FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP																	3
EQT054	BC025 - K-Tron Weight Belt Feeder #1 on Ball Mill #3															1		3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
 Agency Interest No.: 5051
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33.III.Chapter					40 CFR 60 NSPS					40 CFR 63 NESHPAP					40 CFR		
		5	6	9	11	13	15	21	22	29	32	33	34	35	36	39*	40	41	42
EQT055	BC026 – K-Tron Weight Belt Feeder #2 on Ball Mill #3																		
EQT056	BC031 – Kiln Feed Belt Conveyor							1											
EQT057	BC032 – GP1 Conveyor																		
EQT058	BC033 – GP2 Conveyor																		

* The regulations indicated above are State Only regulations.

▲ All LAC 33.III Chapter 5 citations are federally enforceable including LAC 33.III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
 Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
 Agency Interest No.: **5051**
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF001	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5101.A]	DOES NOT APPLY. The New Iberia facility is not a major source of toxic air pollutants.
	Chemical Accident Prevention & Minimization of Consequences [LAC 33:III.5907.A]	DOES NOT APPLY. The New Iberia facility does not produce, handle, process, or store substances listed in Table 59.0 or Table 59.1 quantities greater than the listed threshold.
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. The facility contains no sources which produce, handle, process, or store substances listed in 40 CFR 68.130 in quantities greater than the listed threshold.
EQT002	Emission Standards for Sulfur Dioxide [LAC 33:III.1502.A.3]	DOES NOT APPLY. Dryer emits less than 5 tons per year or more of SO ₂ .
	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT003, EQT005	NSPS Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries [40 CFR 69.730(c)]	EXEMPT. Source commenced construction prior to the applicability date of April 23, 1986.
	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT004	Emission Standards for Sulfur Dioxide [LAC 33:III.1502.A.3]	DOES NOT APPLY. Dryer emits less than 5 tons per year or more of SO ₂ .

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
Agency Interest No.: 5051
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT004 (Continued)	NSPS Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries [40 CFR 69.730(c)] Compliance Assurance Monitoring [40 CFR 64.1]	EXEMPT. Source commenced construction prior to the applicability date of April 23, 1986. DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT006, EQT007	NSPS Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries [40 CFR 69.730(c)] Compliance Assurance Monitoring [40 CFR 64.1]	EXEMPT. Sources commenced construction prior to the applicability date of April 23, 1986. The changes being performed at the two kilns are not NSPS modifications under 40 CFR 60.14(e)(1). DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT008	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT009, EQT010	NSPS Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries [40 CFR 69.730(c)] Compliance Assurance Monitoring [40 CFR 64.1]	EXEMPT. Source commenced construction prior to the applicability date of April 23, 1986. DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT011, EQT012, EQT013	Storage of Volatile Organic Compounds [LAC 33:II.2103.A]	DOES NOT APPLY. Tanks do not store a volatile organic compound with a vapor pressure of 1.5 psia or greater.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
Agency Interest No.: 5051
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT011, EQT012, EQT013 (Continued)	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 1, 1973, and Prior to May 19, 1978 [40 CFR 60.110(b)]	DOES NOT APPLY. Tanks do not store petroleum liquids.
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 [40 CFR 60.110(a)]	DOES NOT APPLY. Tanks do not store petroleum liquids.
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110(b)(a)]	DOES NOT APPLY. Tanks do not store volatile organic liquids.
	NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR 60.670(e)]	EXEMPT. Sources commenced construction prior to applicability date of August 31, 1983.
	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The tank bin vents operate as Inherent Process Equipment. The tank bin vents are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT014	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The Ball Mill #3 operates as Inherent Process Equipment. The tank bin vents are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations.
EQT074, EQT075	Emission Standards for Sulfur Dioxide [LAC 33:III.1502.A.3]	DOES NOT APPLY. The units emits less than 5 tons per year or more of SO ₂ .

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
 Agency Interest No.: 5051
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT076	NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR 60.670(a)(1)] Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. Source does not control sources associated with minerals processing.
GRP002: EQT015, EQT016, EQT021, EQT023, EQT024, EQT035	NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR 60.670(e)] Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The dust collectors operate as Inherent Process Equipment. The dust collectors are a part of the process and have not been installed for the primary purpose of compliance with air quality regulations. EXEMPT. Sources commenced construction prior to applicability date of August 31, 1983.
GRP003: EQT038, EQT039, EQT040, EQT041, EQT042, EQT043, EQT044, EQT050, EQT051, EQT062, EQT063, EQT064, EQT065, EQT066	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The conveyors, feeders, and bucket elevators have no control devices; therefore, CAM does not apply.
GRP005: EQT017, EQT018, EQT020, EQT022, EQT025, EQT026, EQT027, EQT028, EQT034, EQT036, EQT099	NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR 60.670(e)] Compliance Assurance Monitoring [40 CFR 64.1]	EXEMPT. Sources commenced construction prior to applicability date of August 31, 1983. DOES NOT APPLY. The conveyors, feeders, and bucket elevators have no control devices; therefore, CAM does not apply.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CARBO Ceramics - New Iberia Facility
Agency Interest No.: 5051
CARBO Ceramics, Inc.
New Iberia, Iberia Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP006: EQT045, EQT046, EQT047, EQT048, EQT052, EQT053, EQT059, EQT060, EQT068, EQT069, EQT070, EQT071, EQT072, EQT085, EQT086, EQT088, EQT095	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The conveyors, feeders, and bucket elevators have no control devices; therefore, CAM does not apply..
GRP007: EQT019, EQT029, EQT030, EQT031, EQT033, EQT037, EQT077, EQT078, EQT079, EQT080, EQT082, EQT083, EQT084, EQT087, EQT089, EQT090, EQT091, EQT092, EQT093, EQT094, EQT095, EQT097, EQT098	NSPS Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [40 CFR 60.670(e)] Compliance Assurance Monitoring [40 CFR 64.1]	EXEMPT. Sources commenced construction prior to applicability date of August 31, 1983. DOES NOT APPLY. The conveyors, feeders, and bucket elevators have no control devices; therefore, CAM does not apply.
GRP008: EQT054, EQT055, EQT056, EQT057, EQT058	Compliance Assurance Monitoring [40 CFR 64.1]	DOES NOT APPLY. The conveyors, feeders, and bucket elevators have no control devices; therefore, CAM does not apply.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
New Iberia Facility															
EQT 0002 NIB1-Q1	0.58	0.58	2.54	0.63	0.69	3.02	2.17	2.17	5.49	0.12	0.51	0.04	0.04	0.04	0.17
EQT 0003 NIB1-Q2							6.97	6.97	30.54						
EQT 0004 NIB1-D7	0.55	0.55	2.43	0.66	0.66	2.89	1.77	1.77	7.74	0.11	0.49	0.04	0.04	0.04	0.16
EQT 0005 NIB1-J9							3.84	3.84	16.80						
EQT 0006 NIB2-12	0.21	0.21	0.94	2.15	2.15	9.41	1.41	1.41	5.17		133.63	0.01	0.01	0.05	
EQT 0007 NIB1-12	4.09	4.09	17.90	29.63	29.63	129.79	2.01	2.01	8.81		133.63	0.06	0.06	0.27	
EQT 0008 NIB2-12	2.53	2.53	11.07	18.34	18.34	80.31	1.41	1.41	6.17		133.63	0.04	0.04	0.17	
EQT 0009 NIB2-10							6.24	6.24	27.31						
EQT 0010 NIB2-15							1.84	1.84	8.08						
EQT 0011 NIB4-16							0.34	0.34	1.49						
EQT 0012 NIB4-17							0.34	0.34	1.49						
EQT 0013 NIB4-18							0.34	0.34	1.49						
EQT 0014 NIB4-21							0.55	0.55	2.42						
EQT 0015 BC007							<0.01								
EQT 0016 BC008							<0.01								
EQT 0017 BC011							<0.01								
EQT 0018 BC016							<0.01								
EQT 0019 BC018							<0.01								
EQT 0020 BC019							<0.01								
EQT 0021 BC022							<0.01								
EQT 0023 BC029							0.01								
EQT 0024 BC030							0.01								

EMISSION RATES FOR CRITERIA POLLUTANTS

All ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
New Iberia Facility															
EQT 0025 BC035							<0.01								
EQT 0026 BC036							<0.01								
EQT 0027 BC037							<0.01								
EQT 0028 BC038							<0.01								
EQT 0029 BC039							<0.01								
EQT 0030 BC040							<0.01								
EQT 0031 BC041							<0.01								
EQT 0032 BC042							<0.01								
EQT 0033 BC043							<0.01								
EQT 0034 BE001							<0.01								
EQT 0035 BE010							<0.01								
EQT 0036 BE011							<0.01								
EQT 0037 BE012							<0.01								
EQT 0038 BC001							0.01								
EQT 0039 BC002							0.01								
EQT 0040 BC003							0.01								
EQT 0041 BC004							0.01								
EQT 0042 BC005							0.01								
EQT 0043 BC006							0.01								
EQT 0044 BC009							<0.01								
EQT 0045 BC010							<0.01								
EQT 0046 BC014							<0.01								
EQT 0047 BC015							<0.01								

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 5051 - CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
New Iberia Facility															
EQT 0048 8C017															
EQT 0049 8C020															
EQT 0050 8C021															
EQT 0051 8C022															
EQT 0052 8C023															
EQT 0053 8C024															
EQT 0054 8C025															
EQT 0055 8C026															
EQT 0056 8C031															
EQT 0057 8C032															
EQT 0058 8C033															
EQT 0059 8C034															
EQT 0060 8C044															
EQT 0061 8C045															
EQT 0062 8C046															
EQT 0063 8C047															
EQT 0064 8E002															
EQT 0065 8E003															
EQT 0066 8E004															
EQT 0067 8E005															
EQT 0068 8E006															
EQT 0069 8E007															
EQT 0070 8E008															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
New Iberia Facility															
EQT 0071 BE009															
EQT 0072 SE002										<0.01					
EQT 0074 NI08-02	0.20	0.20	0.87	0.24	0.24	1.03	0.02	0.02	0.08	<0.01	0.01	0.01	0.65	0.65	2.86
EQT 0075 NI08-01	0.42	0.42	1.84	0.50	0.50	2.19	0.04	0.04	0.17	<0.01	0.01	0.01	0.03	0.03	0.12
EQT 0076 NI08-03										6.70	6.70	29.37			
EQT 0077 BC060										<0.01					
EQT 0078 BC061										<0.01					
EQT 0079 BE017										<0.01					
EQT 0080 BE018										<0.01					
EQT 0081 SE006										0.01					
EQT 0082 BC051										<0.01					
EQT 0083 BC053										<0.01					
EQT 0084 BC054										0.01					
EQT 0085 BC056										<0.01					
EQT 0086 BC057										<0.01					
EQT 0087 BC058										0.01					
EQT 0088 BC059										<0.01					
EQT 0089 BE014										0.01					
EQT 0090 SE015										***	0.01				
EQT 0091 BE016										<0.01					
EQT 0092 SE001										0.01					
EQT 0093 SE002										0.01					
EQT 0094 SE005										0.01					

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
New Iberia Facility															
EOT 0095															
CRO01															
EQT 0096															
SE007															
EQT 0097															
BC062															
EOT 0098															
BC063															
EQT 0099															
CRO02															
GRP 0002															
FUG001															
GRP 0003															
FUG002															
GRP 0004															
S02 CAP															
GRP 0005															
FUG003															
GRP 0006															
FUG004															
GRP 0007															
FUG005															
GRP 0008															
FUG006															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0074 NI08-02	Ammonia	<0.01	<0.01	<0.01
	Formaldehyde	0.26	0.31	1.14
	Phenol	0.38	0.46	1.66
UNF 0001 CARBO	Ammonia			<0.01
	Formaldehyde			1.14
	Phenol			1.66

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0001 FUG001a - Non-NSPS Outside Fugitive Emissions CAP

Group Members: EQT 0015EQT 0016EQT 0021EQT 0035

- 1 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
Total suspended particulate <= 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 2 [LAC 33:III.1311.B] Which Months: All Year Statistical Basis: None specified

CRG 0002 FUG001b - Non-NSPS Outside Fugitive Emissions CAP

Group Members: EQT 0023EQT 0024

- 3 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
Total suspended particulate <= 14.46 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 4 [LAC 33:III.1311.B] Which Months: All Year Statistical Basis: None specified

CRG 0003 FUG002a - NSPS Outside Fugitive Emissions CAP

Group Members: EQT 0038EQT 0039EQT 0040EQT 0041EQT 0042EQT 0043EQT 0064EQT 0066

- 5 [40 CFR 60.672(b)] Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Statistical Basis: None specified
- 6 [40 CFR 60.672(e)(1)] Do not discharge into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility 7% or greater fugitive emissions from building openings except emissions from a vent as defined in 40 CFR 60.671. Subpart OOO. [40 CFR 60.672(e)(1)]
Do not discharge into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in 40 CFR 60.672(a). Subpart OOO. [40 CFR 60.672(e)(2)]
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
Submit notification to the DEQ: Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]
- 7 [40 CFR 60.672(e)(2)]
- 8 [40 CFR 60.675(a)]
- 9 [40 CFR 60.675(g)]
- 10 [40 CFR 60.676(h)]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0003 FUG002a - NSPS Outside Fugitive Emissions CAP

- 11 [40 CFR 60.676(i)(1)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 12 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 13 [LAC 33:III.1311.B] Total suspended particulate <= 14.46 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0004 FUG002b - NSPS Outside Fugitive Emissions CAP

Group Members: EQT 0044EQT 0050EQT 0051EQT 0062EQT 0065

- 14 [40 CFR 60.672(b)] Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Do not discharge into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility 7% or greater fugitive emissions from building openings except emissions from a vent as defined in 40 CFR 60.671. Subpart OOO. [40 CFR 60.672(e)(1)]
- 15 [40 CFR 60.672(e)(1)] Do not discharge into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in 40 CFR 60.672(a). Subpart OOO. [40 CFR 60.672(e)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Submit notification to the DEQ: Due at least 7 days prior to any performance test if required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]
- 16 [40 CFR 60.672(e)(2)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 17 [40 CFR 60.675(a)] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 18 [40 CFR 60.675(e)] Total suspended particulate <= 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- 21 [LAC 33:III.1305]
- 22 [LAC 33:III.1311.B]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0005 FUG003a - Plant 1 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0022EQT 0034EQT 0036

- 23 [LAC 33:II.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.A.1.-7.
 Total suspended particulate <= 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- 24 [LAC 33:II.1311B] Total suspended particulate <= 8.56 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0006 FUG003b - Plant 1 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0025EQT 0026EQT 0027EQT 0028

- 25 [LAC 33:II.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.A.1.-7.
 Total suspended particulate <= 8.56 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- 26 [LAC 33:II.1311B] Total suspended particulate <= 8.56 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0007 FUG004a - Plant 1 NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0045EQT 0046EQT 0048EQT 0049EQT 0047EQT 0061EQT 0066EQT 0067EQT 0068EQT 0069

- Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).
 Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ. Due at least 7 days prior to any performance test if required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 27 [40 CFR 60.672(b)]
 28 [40 CFR 60.675(a)]
 29 [40 CFR 60.675(u)]
 30 [40 CFR 60.675(g)]
 31 [40 CFR 60.676(f)]
 32 [40 CFR 60.676(i)(1)]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0007 FUG004a - Plant 1 NSPS Inside Fugitive Emissions CAP

33 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.i-7.

Total suspended particulate <= 17.47 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

CRG 0008 FUG004b - Plant 1 NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0049 EQT 0052 EQT 0053 EQT 0070 EQT 0071 EQT 0072

35 [40 CFR 60.672(b)]

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).

Subpart OOO. [40 CFR 60.675(d)]

Submit notification to the DEQ. Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.i-7.

Total suspended particulate <= 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

CRG 0009 FUG004c - Plant 1 NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0085 EQT 0086 EQT 0095

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0009 FUG004c - Plant 1 NSPS Inside Fugitive Emissions CAP

- Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- Submit notification to the DEQ: Due at least 7 days prior to any performance test performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]
- Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- Total suspended particulate <= 40.04 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified

CRG 0010 FUG005a - Plant 2 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0029 EQT 0030 EQT 0031 EQT 0032 EQT 0033

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- Total suspended particulate <= 9.03 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified

CRG 0011 FUG005b - Plant 2 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0077 EQT 0078 EQT 0079 EQT 0080 EQT 0081 EQT 0082 EQT 0083 EQT 0084 EQT 0085

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

CRG 0011 FUG005b - Plant 2 Non-NSPS Inside Fugitive Emissions CAP

54 [LAC 33:III.1311.B] Total suspended particulate <= 17.28 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0012 FUG005c - Plant 2 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0084EQT 0089EQT 0092 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to,

55 [LAC 33:III.1305] those specified in LAC 33:III.1305.A.1-7.

56 [LAC 33:III.1311.B] Total suspended particulate <= 51.28 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0013 FUG005d - Plant 2 Non-NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0087EQT 0090EQT 0093 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to,

57 [LAC 33:III.1305] those specified in LAC 33:III.1305.A.1-7.

58 [LAC 33:III.1311.B] Total suspended particulate <= 44.58 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

CRG 0014 FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP

Group Members: EQT 0054EQT 0055EQT 0056EQT 0057EQT 0058

- Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).
 Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ: Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, (c), and (f). Subpart OOO. [40 CFR 60.676(f)]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

CRG 0014 FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP

- 64 [40 CFR 60.676(e)(1)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin in actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 65 {[LAC 33.III.1305]} Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7.
- 66 {[LAC 33.III.1311.B]} Total suspended particulate <= 11.34 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT 0002 N#07-01 - Dryer #1 Dust Collector Stack

- 67 [40 CFR 60.732(a)] Particulate matter <= 0.057 g/dscm (0.025 gr/dscf) for dryers. Subpart UUU. [40 CFR 60.732(a)]
 Comply with the emission limitations set forth in 40 CFR 60.732(a) and (b) on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. Subpart UUU.
- 68 [40 CFR 60.732] Opacity monitored by continuous opacity monitor (COM) continuously. Monitor the emissions discharged into the atmosphere from the control device Subpart UUU. [40 CFR 60.734(a)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy continuously. Record the opacity of emissions discharged into the atmosphere from the control device. Subpart UUU. [40 CFR 60.734(a)]
 Retain the records of measurements required in 40 CFR 60.734 for at least two years. Subpart UUU. [40 CFR 60.735(a)]
 Due semiannually, submit written reports of exceedances of control device operating parameters, defined in 40 CFR 60.735(c)(X) through (c)(3), required to be monitored by 40 CFR 60.734. Subpart UUU [40 CFR 60.735(c)]
- 69 [40 CFR 60.734(a)] Use test methods in 40 CFR 60 appendix A or other methods and procedures as specified in this section, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart UUU. [40 CFR 60.736(a)]
 Determine compliance with the particulate matter standards in 40 CFR 60.732 by using the methods and procedures listed in 40 CFR 60.736(b)(1) and (b)(2). Subpart UUU. [40 CFR 60.736(b)]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 21.67 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average
- 70 [40 CFR 60.734(a)]
 71 [40 CFR 60.735(a)]
 72 [40 CFR 60.735(c)]
 73 [40 CFR 60.736(a)]
 74 [40 CFR 60.736(b)]
 75 {[LAC 33.III.1101.B]}
 76 {[LAC 33.III.1311.B]}
 77 {[LAC 33.III.1311.C]}

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0002 NI07-01 - Dryer #1 Dust Collector Stack

- 78 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Particulate matter (10 microns or less) $\geq 99\%$ removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- 79 [LAC 33:III.501.C.6] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- 80 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- 81 [LAC 33:III.507.H.1.a] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 82 [LAC 33:III.507.H.1.a]
- 83 [LAC 33:III.507.H.1.a]

EQT 0003 NI78-02 - Uncalcined Dust Collector Stack

- 84 [LAC 33:III.1311.B] Total suspended particulate ≤ 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- Particulate matter (10 microns or less) $\geq 99\%$ removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- 85 [LAC 33:III.501.C.6] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- 86 [LAC 33:III.507.H.1.a] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Which Months: All Year Statistical Basis: None specified
- 87 [LAC 33:III.507.H.1.a]
- 88 [LAC 33:III.507.H.1.a]
- 89 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified

EQT 0004 NI81-07 - Rotary Gas Dryer #2 Dust Collector Stack

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0004 NI81-07 - Rotary Gas Dryer #2 Dust Collector Stack

90 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 26.55 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditious as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0005 NI81-09 - Uncalcined Dust Collector Stack

99 [LAC 33:III.1311.B] Total suspended particulate <= 11.34 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0005 NI81-09 - Uncalcined Dust Collector Stack

- 103 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 104 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0006 NI82-12 - Kiln #1 Dust Collector Stack

- 105 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 106 [LAC 33:III.1311.B] Total suspended particulate <= 17.47 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- 107 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average
- 108 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Air Quality Assessment Division.
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
- 109 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 110 [LAC 33:III.501.C.6]
- 111 [LAC 33:III.501.C.6]
- 112 [LAC 33:III.507.H.1.a]
- * For EQT006, NI82-12 - Kiln #1 Dust Collector Stack, and EQT008, NI83-12 - Kiln #3 Dust Collector Stack, CARBO shall test one of these two similar kilns as described above. CARBO shall retest the alternate kiln every 5 years as outlined above.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0006 NI82-12 - Kiln #1 Dust Collector Stack

- 113 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 114 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 115 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 116 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SC2 / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 117 [LAC 33:III.507.H.1.a] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 118 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
- 119 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test for H₂SO₄ emissions. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is verify the absence of H₂SO₄ emissions during the production cycle. The stack test must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 8 Determination of Sulfuric Acid Mist and Sulfur Dioxide emissions from stationary sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 120 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack tests purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.)
- For EQT006, NI82-12 - Kiln #1 Dust Collector Stack, and EQT008, NI83-12 - Kiln #3 Dust Collector Stack, CARBO shall test one of these two similar kilns as described above. CARBO shall retest the alternate kiln every 5 years as outlined above.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0007 N181-12 - Kiln #2 Dust Collector Stack

- 121 [LAC 33:III.110.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 122 [LAC 33:III.131.I.B] Total suspended particulate <= 17.47 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
- 123 [LAC 33:III.131.I.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average
- 124 [LAC 33:III.151.3.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 125 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
- 126 [LAC 33:III.501.C.6] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 127 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 50% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 128 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
- 129 [LAC 33:III.507.H.1.a] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 130 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 131 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0007 NI81-12 - Kiln #2 Dust Collector Stack

- 133 [LAC 33:II.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 50% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions From Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:II.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 134 [LAC 33:II.507.H.1.a] Conduct a performance/emissions test for H₂SO₄ emissions: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is verify the absence of H₂SO₄ emissions during the production cycle. The stack test must be conducted at greater than 50% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 8 - Determination of Sulfuric Acid Mist and Sulfur Dioxide emissions from stationary sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:II.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 135 [LAC 33:II.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 136 [LAC 33:II.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

EQT 0008 NI83-12 - Kiln #3 Dust Collector Stack

- 137 [40 CFR 60.732(a)] Particulate matter <= 0.092 g/dscm (0.040 gr/dscf) for calciner. Subpart UUU. [40 CFR 60.732(a)]. [40 CFR 60.732(a)] Comply with the emission limitations set forth in 40 CFR 60.732(a) and (b) on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. Subpart UUU.
- 138 [40 CFR 60.734(a)] Opacity recordkeeping by electronic or hard copy continuously. Record the opacity of emissions discharged into the atmosphere from the control device. Subpart UUU. [40 CFR 60.734(a)]
- 139 [40 CFR 60.734(a)] Opacity monitored by continuous opacity monitor (COM) continuously. Monitor the emissions discharged into the atmosphere from the control device. Subpart UUU. [40 CFR 60.734(a)]
- 140 [40 CFR 60.734(a)] Which Months: All Year Statistical Basis: None specified Retain the records of measurements required in 40 CFR 60.734 for at least two years. Subpart UUU. [40 CFR 60.735(a)]
- 141 [40 CFR 60.735(a)] Due semiannually, submit written reports of exceedances of control device operating parameters, defined in 40 CFR 60.735(c)(1) through (c)(3).
- 142 [40 CFR 60.735(c)] required to be monitored by 40 CFR 60.734. Subpart UUU. [40 CFR 60.735(c)]
- 143 [40 CFR 60.736(a)] Use test methods in 40 CFR 60 appendix A or other methods and procedures as specified in this section, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart UUU. [40 CFR 60.736(a)]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0008 NI83-12 - Kiln #3 Dust Collector Stack

- 144 [40 CFR 60.736(b)] Determine compliance with the particulate matter standards in 40 CFR 60.732 by using the methods and procedures listed in 40 CFR 60.736(b)(1) and (b)(2). Subpart UUJ. [40 CFR 60.736(b)]
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: None specified
- Total suspended particulate <= 17.47 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: Six-minute average
- Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- Conduct a performance/emissions test for H₂SO₄ emissions: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is verify the absence of H₂SO₄ emissions during the production cycle. The stack test must be conducted at greater than 50% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 8 Determination of Sulfuric Acid Mist and Sulfur Dioxide emissions from stationary sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:II.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Conduct a performance/emissions test*: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 50% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:II.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.C
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- * For EQT006, NI82-12 - Kiln #1 Dust Collector Stack, and EQT008, NI83-12 - Kiln #3 Dust Collector Stack, CARBO shall test one of these two similar kilns as described above. CARBO shall retest the alternate kiln every 5 years as outlined above.
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

EQT 0008 NI83-12 - Kiln #3 Dust Collector Stack

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Conduct a performance/emissions test*: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 50% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; and Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:II1.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

[E]

- For EQT006, NI82-12 - Kiln #1 Dust Collector Stack, and EQT008, NI83-12 - Kiln #3 Dust Collector Stack, CARBO shall test one of these two similar kilns as described above. CARBO shall retest the alternate kiln every 5 years as outlined above.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

EQT 0009 NI82-10 - Calcined Dust Collector Stack

159 [LAC 33:III.507.H.1.a]

160 [LAC 33:III.501.C.6]

161 [LAC 33:III.507.H.1.a]

Total suspended particulate <= 11.34 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AIID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

EQT 0009 NI82-10 - Calcined Dust Collector Stack

- 162 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 163 [LAC 33:III.507.H.1.a]
- 164 [LAC 33:III.507.H.1.a]

EQT 0010 NI82-15 - Calcined Dust Collector Stack

- 165 [LAC 33:III.1311.B] Total suspended particulate $\leq 6.52 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) $\geq 99\%$ removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
- 166 [LAC 33:III.501.C.6]
- 167 [LAC 33:III.507.H.1.a]
- 168 [LAC 33:III.507.H.1.a]
- 169 [LAC 33:III.507.H.1.a]
- 170 [LAC 33:III.507.H.1.a]

EQT 0011 NI84-16 - Tank T-7 Bin Vent

- 171 [LAC 33:III.1311.B] Total suspended particulate $\leq 6.52 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) $\geq 99\%$ removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination once per discharge event. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
- 172 [LAC 33:III.501.C.6]
- 173 [LAC 33:III.507.H.1.a]

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

EQT 0011 NI84-16 - Tank T-7 Bin Vent

Filter vents: Visible emissions recordkeeping by electronic or hard copy once per discharge event. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0012 NI84-17 - Fresh Feed Tank Bin Vent Dust Collector East/West

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.17.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy once per discharge event. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination once per discharge event. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified

EQT 0013 NI84-18 - Remix Bin Vent Dust Collector East/West

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.17.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy once per discharge event. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination once per discharge event. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified

EQT 0014 NI84-21 - Ball Mill # 3

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0014 NI84-21 - Ball Mill # 3

- 185 [40 CFR 60.672(a)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)]
- 187 [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 188 [40 CFR 60.672(f)] Which Months: All Year Statistical Basis: None specified
 Comply with the applicable stack opacity limit and compliance requirements in Table 2 of this subpart. Subpart OOO. [40 CFR 60.672(f)]
- 189 [40 CFR 60.675(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 190 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 191 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 192 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 193 [40 CFR 60.675(c)] Which Months: All Year Statistical Basis: None specified
 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(3), to determine compliance with the particulate matter standards in 40 CFR 60.672(a) and (b). Subpart OOO.
 [40 CFR 60.675(c)]
- 194 [40 CFR 60.675(c)] Opacity: Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(3). Subpart OOO. [40 CFR 60.675(c)]
- 195 [40 CFR 60.675(d)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 196 [40 CFR 60.675(g)] Submit notification to the DEQ: Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 197 [40 CFR 60.676(f)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO.
 [40 CFR 60.676(f)]
- 198 [LAC 33:II.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.A.1-7.
- 199 [LAC 33:II.1311.B] Total suspended particulate <= 11.34 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0014 NI84-21 - Ball Mill # 3

- 200 [LAC 33.III.501.C.6]
 Particulate matter (≤ 10 microns or less) $\geq 99\%$ removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 201 [LAC 33.III.507.H.1.a]
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 202 [LAC 33.III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 203 [LAC 33.III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 204 [LAC 33.III.507.H.1.a]

EQT 0017 BC011 - Product Weight Belt

- 205 [LAC 33.III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7.
- 206 [LAC 33.III.1311.B]
 Total suspended particulate ≤ 14.46 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT 0018 BC016 - #1 Kiln Feed Conveyor

- 207 [LAC 33.III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7.
- 208 [LAC 33.III.1311.B]
 Total suspended particulate ≤ 17.47 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT 0019 BC018 - Plant 2 Dryer #2 Dryer Feed Conveyor

- 209 [LAC 33.III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7.
- 210 [LAC 33.III.1311.B]
 Total suspended particulate ≤ 26.55 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT 0020 BC019 - Plant 1 Dryer Feed Conveyor

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0020 BC019 - Plant 1 Dryer Feed Conveyor

211 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

212 [LAC 33:III.1311.B]

Total suspended particulate <= 21.67 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified**EQT 0037 BE012 - #3 Ball Mill Raw Material Bucket Elevator**

213 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

214 [LAC 33:III.1311.B]

Total suspended particulate <= 11.34 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified**EQT 0063 BC047 - Ball Mill #1 K-Tron Weight Belt #1 Feeder #4**

215 [40 CFR 60.672(b)]

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

216 [40 CFR 60.672(e)(1)]

Which Months: All Year Statistical Basis: None specified
Do not discharge into the atmosphere 7% visible fugitive emissions except emissions from a vent as defined in 40 CFR 60.671. Subpart OOO. [40 CFR 60.672(e)(1)]

217 [40 CFR 60.672(e)(2)]

Do not discharge into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in 40 CFR 60.672(a). Subpart OOO. [40 CFR 60.672(e)(2)]

218 [40 CFR 60.675(a)]

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

219 [40 CFR 60.675(g)]

Submit notification to the DEQ: Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

220 [40 CFR 60.676(f)]

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]

221 [40 CFR 60.676(i)(1)]

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

222 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

223 [LAC 33:III.1311.B]

Total suspended particulate <= 16.51 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

All ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0074 NI08-02 - RC Thermal Oxidizer

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average

Temperature >= 1000 F of EQT074, NI08-02 - RC Thermal Oxidizer. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the temperature of EQT074, while controlling VOC emissions at 98% during batch operations, falls below the minimum temperature listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: None specified
 Temperature recordkeeping by electronic or hard copy monthly. Keep records of the temperature of EQT074, NI08-02 - RC Thermal Oxidizer, while controlling VOC emissions at 98% during batch operations each month, as well as the temperatures of EQT074 while in operation for the last twelve months. In order to account for batch operations, CARBO shall maintains records indicating the periods when EQT074 is not in operational use. Make records available for inspection by DEQ personnel.
 Temperature monitored by temperature monitoring device once per batch during operation.
 Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report any temperature deviations of EQT074, while controlling VOC emissions during batch operations, for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

EQT 0075 NI08-01 - RC Heater

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: Six-minute average

EQT 0076 NI08-03 - RC Nuisance Dust Collector

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:II.1305.A.1-7.
 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

EQT 0076 NI08-03 - RC Nuisance Dust Collector

235 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

236 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

237 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0088 BC059 - No. 1 Uncalcined Belt Conveyor

238 [40 CFR 60.672(b)]

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Determine compliance with 40 CFR 60.672(e) by using one of the methods listed in 40 CFR 60.675(d). Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ: Due at least 7 days prior to any performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f). Subpart OOO. [40 CFR 60.676(f)]

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 19.18 lb/hr. The rate of emission shall be the total of all emission points from the source. Compliance with the more stringent NSPS Subpart OOO.

Which Months: All Year Statistical Basis: None specified

EQT 0096 SE007 - No. 1 Raw Material Grizzley Screen

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

EQT 0096 SE007 - No. 1 Raw Material Grizzley Screen

246 [LAC 33:III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 6.52 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

247 [LAC 33:III.1311.B]

EQT 0097 BC062 - RC Raw Material Unloading Conveyor

248 [LAC 33:III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 20.75 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

249 [LAC 33:III.1311.B]

EQT 0098 BC063 - RBT Transloader

250 [LAC 33:III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 14.46 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

251 [LAC 33:III.1311.B]

EQT 0099 CR002 - Crusher

252 [LAC 33:III.1305]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 5.20 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

253 [LAC 33:III.1311.B]

GRP 0004 SO2 CAP - Kiln SO2 CAP

Group Members: EQT 0006 EQT 0007 EQT 0008

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

GRP 0004 SO2 CAP - Kiln SO2 CAP

254 [LAC 33:III.501.C.6]

Kiln SO2 CAP <=247.69 tpy. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the Kiln SO2 CAP exceeds the maximum listed in this specific condition for any twelve consecutive month period.

In order to ensure that the Kiln SO2 emission rate remains at or below 247.69 tpy of SO2, CARBO shall calculate the Production Rate (tons/hr) according to the following equations on a monthly basis using the percent Sulfur (% S) in the clay. The % S in the clay is supplied by the vendor per batch.

Emission Factor = (% S in clay based on a weighted average / 100) * (64 tons SO2 / 32 tons S combusted) * (2,000 lb / ton)

Average Emission Rate = Production Rate * Emission Factor

Maximum Emission Rate = Production Rate * Emission Factor * 1.2

Monthly Emission Rate = Average Emission Rate * Monthly Hours of Operation / (2,000 lb / ton)

Using the above equations, CARBO can vary the production rate by altering the sulfur content of the clay, as long as the Kiln SO2 CAP listed in this condition is not exceeded.

Equipment/operational data: CARBO shall monitor the production rate the calculation of the Production Rate and the associated Percent Sulfur in the clay by a technically sound method.

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total Kiln SO2 CAP, % S in clay, the analysis of the lbs of SO2 / ton of clay, and Production Rate, each month, as well as the total Kiln SO2 CAP, % S in clay, the analysis of the lbs of SO2 / ton of clay, and Production Rate for the last twelve months. Make records available for inspection by DEQ personnel. Submit report Due annually, by the 31st of March. Report the total Kiln SO2 CAP for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. This report can be combined with reports required under LAC 33:III.535.

255 [LAC 33:III.507.H.1.a]

256 [LAC 33:III.507.H.1.a]

257 [LAC 33:III.507.H.1.a]

UNF 0001 CARBO - New Iberia Facility

258 [40 CFR 60.]

259 [LAC 33:III.103]

260 [LAC 33:III.1303.B]

261 [LAC 33:III.2113.A]

262 [LAC 33:III.219]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

SPECIFIC REQUIREMENTS

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
 Air - Title V Regular Permit Minor Mod

UNF 0001 CARBO - New Iberia Facility

- 263 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point bistranol scale as determined by Method 41 of LAC 33:II.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- Activate the preplanned abatement strategy listed in LAC 33:III.561.I. Table 5 when the administrative authority declares an Air Pollution Alert.
- Activate the preplanned strategy listed in LAC 33:III.561.I. Table 6 when the administrative authority declares an Air Pollution Warning.
- Activate the preplanned abatement strategy listed in LAC 33:III.561.I. Table 7 when the administrative authority declares an Air Pollution Emergency.
- Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.I. Tables 5, 6, and 7.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

State of Louisiana Emissions Inventory Questionnaire (EIQ) for Air Pollutants										Date of Submittal September 2009	
Emission Point ID No. (Alternate ID) 2-09	Descriptive Name of the Emissions Source (Alt. Name) U12 Splitter Reboiler Heater (Sulfolane Unit) (257-1402)			Approximate Location of Stack or Vent (see instructions)							
Tempo Subject Item ID No. EQT251	Stack and Discharge Physical Characteristics Change? (yes or no) No	Diameter (ft) or stack discharge area (ft ²) 5,80 ft	Height of stack above grade (ft) 150.00 ft	Stack gas exit velocity 20.60 ft/sec	Stack gas flow at conditions, not at standard N/A	Stack gas exit temperature (Deg F) 600	Normal Operating Time (hours per year) 8760	Date of construction or modification April 2009	Percent of annual throughput of pollutants through this emission point		
Fuel	Type of fuel used and heat input (see instructions)	Operating Parameters (include units)									
a	Natural Gas 30.65	Normal Operating Rate/Throughput 92.00 MMBtu/hr	Parameter Description								
b	Manufactured Gas 61.35	Maximum Operating Rate/Throughput 115 MMBtu/hr									
	Design Capacity/Volume N/A	Shell Height (ft) 									
	Tank Diameter (ft) 	Floating Roof 									
Notes	<input type="checkbox"/> Fixed Roof <input type="checkbox"/> Floating Roof <input type="checkbox"/> External <input type="checkbox"/> Internal										
The benzene and toluene contribution shown on this EIQ is due to routing the Ejector Condensate Drum Off gas stream to this heater.											
Air Pollutant Specific Information											
Emission Point ID No. (Alternate ID) 2-09	Control Equipment Code	Control Equipment Efficiency	HAP / TAP CAS Number	Proposed Emission Rates	Permitted Emission Rate (Current)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in gases exiting at stack			
Pollutant				Average Maximum (lb/hr)	Annual (tons/yr)			gr/std cubic ft			
Particulate matter (PM10)	000	0%			3.04	D		ppm by vol			
Carbon monoxide	000	0%			16.34	D		ppm by vol			
Nitrogen oxides	000	0%			5.11	D		ppm by vol			
Sulfur dioxide	000	0%			2.93	D		ppm by vol			
Total VOC (including those listed below)	000	0%			3.67	D		ppm by vol			
Ammonia	000	0%	07664-41-7		2.14	D		ppm by vol			
Benzene	000	0%	00071-43-2		2.89	D		ppm by vol			
Toluene	000	0%	00108-88-3		0.16	D		ppm by vol			

		Date of Submittal September 2009																																																																																																				
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Tempo Subject Item ID No. EQT83	Diameter (ft) or stack discharge area (ft^2) N/A ft ft2	Height of stack above grade (ft) N/A ft	Stack gas exit velocity N/A ft/sec	Stack gas flow at conditions, not at standard N/A ft3/min	Stack gas exit temperature (Deg F) N/A	Normal Operating Time (hours per year) 8760	Date of construction or modification 1974	Percent of annual throughput of pollutants through this emission point																																																																																														
Fuel	Type of fuel used and heat input (see instructions) <input type="checkbox"/> Type of fuel <input checked="" type="checkbox"/> Heat Input (MMBTU/hr)				Parameter	Description	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec																																																																																												
					Normal Operating Rate/Throughput 73 turnover/year		25	25	25	25																																																																																												
					Maximum Operating Rate/Throughput 6300000																																																																																																	
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<p align="center">Air Pollutant Specific Information</p> <table border="1"> <thead> <tr> <th>Emission Point ID No. (Alternate ID) 23-74</th> <th>Control Equipment Code</th> <th>HAP / TAP CAS Number</th> <th colspan="2">Proposed Emission Rates</th> <th>Permitted Emission Rate (Current)</th> <th>Add, Change: Delete, or Unchanged</th> <th>Continuous Compliance Method</th> <th>Concentration in gases exiting at stack</th> </tr> <tr> <th>Pollutant</th> <th></th> <th></th> <th>Average (lb/hr)</th> <th>Maximum (tons/yr)</th> <th>Annual (ton/yr)</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total VOC (including those listed below)</td> <td>000</td> <td>0</td> <td>0.0340-84-i</td> <td>2.98</td> <td>—</td> <td>C</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>2,2,4-Triethylpentane</td> <td>000</td> <td>0</td> <td>(0)071-43-2</td> <td>0.04</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>Benzene</td> <td>000</td> <td>0</td> <td>0.0098-82-3</td> <td>0.01</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>o-Cumene</td> <td>000</td> <td>0</td> <td>(0)100-41-4</td> <td><0.001</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>Ethyl Benzene</td> <td>000</td> <td>0</td> <td>0.0091-20-3</td> <td>0.002</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>Naphthalene</td> <td>000</td> <td>0</td> <td>0.0110-54-3</td> <td><0.001</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>n-Hexane</td> <td>000</td> <td>0</td> <td>0.0108-88-3</td> <td>0.07</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>Toluene</td> <td>000</td> <td>0</td> <td>0.0130-20-7</td> <td>0.01</td> <td>—</td> <td>U</td> <td></td> <td>ppm by vol</td> </tr> <tr> <td>Xylene (mixed isomers)</td> <td>000</td> <td>0</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>ppm by vol</td> </tr> </tbody> </table>				Emission Point ID No. (Alternate ID) 23-74	Control Equipment Code	HAP / TAP CAS Number	Proposed Emission Rates		Permitted Emission Rate (Current)	Add, Change: Delete, or Unchanged	Continuous Compliance Method	Concentration in gases exiting at stack	Pollutant			Average (lb/hr)	Maximum (tons/yr)	Annual (ton/yr)				Total VOC (including those listed below)	000	0	0.0340-84-i	2.98	—	C		ppm by vol	2,2,4-Triethylpentane	000	0	(0)071-43-2	0.04	—	U		ppm by vol	Benzene	000	0	0.0098-82-3	0.01	—	U		ppm by vol	o-Cumene	000	0	(0)100-41-4	<0.001	—	U		ppm by vol	Ethyl Benzene	000	0	0.0091-20-3	0.002	—	U		ppm by vol	Naphthalene	000	0	0.0110-54-3	<0.001	—	U		ppm by vol	n-Hexane	000	0	0.0108-88-3	0.07	—	U		ppm by vol	Toluene	000	0	0.0130-20-7	0.01	—	U		ppm by vol	Xylene (mixed isomers)	000	0	—	—	—	—	—	ppm by vol
Emission Point ID No. (Alternate ID) 23-74	Control Equipment Code	HAP / TAP CAS Number	Proposed Emission Rates		Permitted Emission Rate (Current)	Add, Change: Delete, or Unchanged	Continuous Compliance Method	Concentration in gases exiting at stack																																																																																														
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Naphthalene	000	0	0.0110-54-3	<0.001	—	U		ppm by vol																																																																																														
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**State of Louisiana
Emissions Inventory Questionnaire (EIQ) for Air Pollutants**

Date of Submittal
September 2009

Emission Point ID No. (Alternate ID) 3-04		Descriptive Name of the Emissions Source (Alt. Name) GDU-Stabilizer Reboiler (55-1403)		Approximate Location of Stack or Vent (see instructions)								
				Method	25."Classical Surveying Techniques"		Datum	NAD83				
				UTM Zone No.	15	Horizontal	731252.00	mE	Vertical	3328650.00 mN		
Tempo Subject Item ID No. EQT181		Latitude	30° 4'		1"		66 hundredths					
Stack and Discharge Physical Characteristics Change? (yes or no)		Longitude	20° 36'		3"		25 hundredths					
<u>No</u>		Stack diameter (ft) or stack discharge area (ft^2)	Height of stack above grade (ft)	Stack gas exit velocity	Stack gas flow at conditions, not at standard	Stack gas exit temperature (Deg F)	Normal Operating Time (hours per year)	Date of construction or modification	Percent of annual throughput of pollutants through this emission point			
		<u>525 ft</u>	<u>ft^2</u>	<u>130.00</u> ft	<u>20.00</u> ft/sec	<u>25159.00</u> ft^3/min	<u>535</u>	<u>8760</u> constructed	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
		Operating Parameters (include units)										
Fuel	Type of fuel used and heat input (see instructions)	Type of fuel	Heat Input (MMBTU/hr)	Parameter	Description							
a	Natural Gas	23.12		Normal Operating Rate/Throughput	80.35 MMBtu/hr							
b	Manufactured Gas	44.88		Maximum Operating Rate/Throughput	100.44 MMBtu/hr							
c	Total	68		Design Capacity/Volume	N/A							
		Shell Height (ft)		Tank Diameter (ft)								
Notes		<input type="checkbox"/> Fixed Roof	<input type="checkbox"/> Floating Roof	<input type="checkbox"/> External	<input type="checkbox"/> Internal							
This source is part of a cap. EPN 133-00, Combustion Sources Emission Cap. This heater is equipped with ultra-low NOx burners.												
Air Pollutant Specific Information												
Emission Point ID No. (Alternate ID) 3-04		Control Equipment Code	Control Equipment Efficiency	HAP / TAP CAS Number	Proposed Emission Rates		Permitted Emission Rate (Current)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in gases exiting at stack		
Pollutant				Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)				gr/std cubic ft		
Particulate matter (PM10)	000	0		0.75			C			ppm by vol		
Carbon monoxide	000	0		4.02			C			ppm by vol		
Nitrogen oxides	024	0		3.01			C			ppm by vol		
Sulfur dioxide	000	0		2.91			C			ppm by vol		
Total VOC (including those listed below)	000	0		0.15			C			ppm by vol		

**State of Louisiana
Emissions Inventory Questionnaire (EIQ) for Air Pollutants**

				Date of Submittal September 2009																														
Emission Point ID No. (Alternate ID) 3-09	Descriptive Name of the Emissions Source (Alt. Name) Plant Inventory Tank		Approximate Location of Stack or Vent (see instructions) Method 25. Classical Surveying Techniques'																															
Tempo Subject Item ID No. EQT252			UTM Zone No 15	Horizontal 231189.00 mE																														
Stack and Discharge Physical Characteristics Change? (yes or no)	Diameter (ft) or stack discharge area (ft ²) 28.00 ft ft²	Height of stack above grade (ft) 10.00 ft	Latitude 30° 4' 28"	Vertical 2" 672 hundredths																														
		Stack gas exit velocity N/A ft/sec	Longitude 90° 15' 28"																															
Fuel	Type of fuel 3 Heat Input (MMBTU/hr)	Stack gas flow at conditions, not at standard N/A ft³/min	Stack gas exit temperature (Deg F) Ambient	Normal Operating Time (hours per year) 8760																														
				Date of construction or modification April 2009																														
Notes	<table border="1"> <thead> <tr> <th colspan="2">Operating Parameters (include units)</th> <th>Description</th> </tr> <tr> <th>Parameter</th> <th>Value</th> <th></th> </tr> </thead> <tbody> <tr> <td>Normal Operating Rate/Throughput</td> <td>0</td> <td>6 turnover/yr</td> </tr> <tr> <td>Maximum Operating Rate/Throughput</td> <td></td> <td>210,000 gal</td> </tr> <tr> <td>Design Capacity/Volume</td> <td></td> <td>210,000 gal</td> </tr> <tr> <td>Shell Height (ft)</td> <td></td> <td>30</td> </tr> <tr> <td>Tank Diameter (ft)</td> <td></td> <td>28</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><input type="checkbox"/> Fixed Roof</td> <td>Floating Roof</td> </tr> <tr> <td></td> <td><input type="checkbox"/> External</td> <td><input checked="" type="checkbox"/> Internal</td> </tr> </tbody> </table>				Operating Parameters (include units)		Description	Parameter	Value		Normal Operating Rate/Throughput	0	6 turnover/yr	Maximum Operating Rate/Throughput		210,000 gal	Design Capacity/Volume		210,000 gal	Shell Height (ft)		30	Tank Diameter (ft)		28					<input type="checkbox"/> Fixed Roof	Floating Roof		<input type="checkbox"/> External	<input checked="" type="checkbox"/> Internal
Operating Parameters (include units)		Description																																
Parameter	Value																																	
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Air Pollutant Specific Information																																		
Emission Point ID No. (Alternate ID) 3-09	Control Equipment Code	HAP / TAP CAS Number	Proposed Emission Rates	Permitted Emission Rate (Current)																														
Pollutant			Average (lb/hr)	Annual (tons/yr)																														
Total VOC (including those listed below)			0.007143.2	0.11 D																														
Benzene			0.010888.3	0.08 D																														
Total				0.02 D																														
				ppm by vol																														
				ppm by vol																														
				ppm by vol																														

General Information

AI ID: 5051 CARBO Ceramics Inc - New Iberia

Activity Number: PER20080002

Permit Number: 1260-00027-V3

Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	1260-00027	CARBO Ceramics Inc - New Iberia	CDS Number	08-05-2002
	72-1100013	Federal Tax ID	Federal Tax ID	11-21-1999
LAD980870166		CARBO Ceramics Inc	Hazardous Waste Notification	07-27-2000
LAR05N588		LPDES #	LPDES Permit #	10-28-2004
WP0147		LWDPS #	LWDPS Permit #	06-25-2003
		CARBO Ceramics Inc	Priority 2 Emergency Site	06-01-2006
		X-Ray Registration Number	Radiation X-ray Registration Number	11-17-2008
12056		SW Generator ID #	Solid Waste Facility No.	11-21-1999
G-045-2846		CARBO Ceramics Inc	TEMPO Merge	04-22-2001
			Main Phone:	3373676151 (ext 248)
Physical Location:		4810 Industrial Dr New Iberia, LA 70560		
Mailing Address:		4810 Industrial Dr New Iberia, LA 70560		
Location of Front Gate:		30.047778 latitude, -91.879444 longitude, Coordinate Method: Lat/Long - DMS, Coordinate Datum: NADB3		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Craig Gardnier		4810 Industrial Dr New Iberia, LA 705608145	3373695387 (WP)	Radiation Contact For
Marty Johnson		4810 Industrial Dr New Iberia, LA 70560	Marty.Johnson@CAI	Responsible Official for
Marty Johnson		4810 Industrial Dr New Iberia, LA 70560	3373676151 (WP)	Responsible Official for
Craig Wysong		1800 Dent Rd Toombsboro, GA 31090	Craig.Wysong@cart	Emission Inventory Contact for
Craig Wysong		1800 Dent Rd Toombsboro, GA 31090	4789432331 (WP)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
CARBO Ceramics Inc		4810 Industrial Dr New Iberia, LA 70560	478-943-2331 (WP)	Operates
CARBO Ceramics Inc		4810 Industrial Dr New Iberia, LA 70560	478-943-2331 (WP)	Owns
CARBO Ceramics Inc		4810 Industrial Dr New Iberia, LA 70560	478-943-2331 (WP)	Emission Inventory Billing Party
CARBO Ceramics Inc		4810 Industrial Dr New Iberia, LA 70560	478-943-2331 (WP)	Air Billing Party for
CARBO Ceramics Inc		4810 Industrial Dr New Iberia, LA 70560	478-943-2331 (WP)	Radiation Registration Billing Party for
NAIC Codes:		212324, Kaolin and Ball Clay Mining		

General Information

AI ID: 5051 CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
New Iberia Facility						
EQT 0002	NI07-01 - Dyer #1 Dust Collector Stack	7.59 MM BTU/hr	6.9 MM BTU/hr	105120 tpy Proppants		8760 hr/yr
EQT 0003	NI78-02 - Uncalcined Dust Collector Stack	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0004	NI81-07 - Rotary Gas Dyer #2 Dust Collector Stack	7.26 MM BTU/hr	6.6 MM BTU/hr	142350 tpy Clay		8760 hr/yr
EQT 0005	NI81-09 - Uncalcined Dust Collector Stack	40000 tons/yr	40000 tons/yr			8760 hr/yr
EQT 0006	NI82-12 - Klin #1 Dust Collector Stack	10.89 MM BTU/hr	9.9 MM BTU/hr	76212 tpy Bauxite/Alumina		8760 hr/yr
EQT 0007	NI81-12 - Klin #2 Dust Collector Stack	17.6 MM BTU/hr	16 MM BTU/hr	76212 tpy Bauxite/Alumina		8760 hr/yr
EQT 0008	NI83-12 - Klin #3 Dust Collector Stack	10.89 MM BTU/hr	9.9 MM BTU/hr	76212 tpy Bauxite/Alumina		8760 hr/yr
EQT 0009	NI82-10 - Calcined Dust Collector Stack	40000 tons/yr	40000 tons/yr			8760 hr/yr
EQT 0010	NI82-15 - Calcined Dust Collector Stack	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0011	NI84-16 - Tank T-7 Bin Vent	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0012	NI84-17 - Fresh Feed Tank Bin Vent Dust Collector East/West					8760 hr/yr
EQT 0013	NI84-18 - Remix Bin Vent Dust Collector East/West					8760 hr/yr
EQT 0014	NI84-21 - Ball Mill # 3			40000 tons/yr		8760 hr/yr
EQT 0015	BC007 - Plant 1 Silo Area Silo 1-1 Scale Belt Conveyor	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0016	BC008 - Plant 1 Silo Area Shuttle Belt Conveyor	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0017	BC011 - Product Weight Belt	57500 tons/yr	57500 tons/yr			8760 hr/yr
EQT 0018	BC016 - #1 Kiln Feed Conveyor	76212 tons/yr	76212 tons/yr			8760 hr/yr
EQT 0019	BC018 - Plant 2 Dyer #2 Dyer Feed Conveyor	142350 tons/yr	142350 tons/yr			8760 hr/yr
EQT 0020	BC019 - Plant 1 Dyer Feed Conveyor	105120 tons/yr	105120 tons/yr			8760 hr/yr
EQT 0021	BC027 - Plant 1 Silo Area Silo 1-2 & 1-3 Scale Conveyor	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0022	BC028 - T-69 & T-71 Belt Feeder	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0023	BC029 - Product Loadout Conveyor #1	57500 tons/yr	57500 tons/yr			8760 hr/yr
EQT 0024	BC030 - Product Loadout Conveyor #2	57500 tons/yr	57500 tons/yr			8760 hr/yr
EQT 0025	BC035 - Plant 1 Mixer #1 Belt Conveyor	26280 tons/yr	26280 tons/yr			8760 hr/yr
EQT 0026	BC036 - Plant 1 Mixer #2 Belt Conveyor	26280 tons/yr	26280 tons/yr			8760 hr/yr
EQT 0027	BC037 - Plant 1 Mixer #3 Belt Conveyor	26280 tons/yr	26280 tons/yr			8760 hr/yr
EQT 0028	BC038 - Plant 1 Mixer #4 Belt Conveyor	26280 tons/yr	26280 tons/yr			8760 hr/yr
EQT 0029	BC039 - Plant 2 Mixer #1 Belt Conveyor	28470 tons/yr	28470 tons/yr			8760 hr/yr
EQT 0030	BC040 - Plant 2 Mixer #2 Belt Conveyor	28470 tons/yr	28470 tons/yr			8760 hr/yr
EQT 0031	BC041 - Plant 2 Mixer #3 Belt Conveyor	28470 tons/yr	28470 tons/yr			8760 hr/yr
EQT 0032	BC042 - Plant 2 Mixer #4 Belt Conveyor	28470 tons/yr	28470 tons/yr			8760 hr/yr
EQT 0033	BC043 - Plant 2 Mixer #5 Belt Conveyor	28470 tons/yr	28470 tons/yr			8760 hr/yr
EQT 0034	BE001 - T-69 & T-71 Elevator	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0035	BE010 - #1 Ball Mill Raw Material Bucket Elevator	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0036	BE011 - #2 Ball Mill Raw Material Bucket Elevator	17500 tons/yr	17500 tons/yr			8760 hr/yr
EQT 0037	BE012 - #3 Ball Mill Raw Material Bucket Elevator	40000 tons/yr	40000 tons/yr			8760 hr/yr
EQT 0038	BC001 - Light-Weight Loadout Campbell Belt Conveyor	57500 tons/yr	57500 tons/yr			8760 hr/yr
EQT 0039	BC002 - Klin #3 Feed Tank Conveyor	57500 tons/yr	57500 tons/yr			8760 hr/yr

INVENTORIES

AID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-00027-V3
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
New Iberia Facility						
EQT 0040	BC003 - Dock #1 Campbell Bell Conveyor		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0041	BC004 - Rail-Scale Long Bell Conveyor		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0042	BC005 - Rail-Scale Cross Bell Conveyor		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0043	BC006 - Rail-Scale Shuttle Bell Conveyor		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0044	BC009 - Plant 1 Silo Area Off-Size Repair Bell Conveyor		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0045	BC010 - Kiln #1 Finished Product #1 Bell Conveyor		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0046	BC014 - Kiln #3 Feed Conveyor		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0047	BC015 - Kiln #3 Carbo Sifter Feed Conveyor		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0048	BC017 - Kiln #1 Finished Product #2 Bell Conveyor		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0049	BC020 - Ball Mill #1 Feeder (T7 tank)		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0050	BC021 - K-Tron Weight Bell Feeder #1 on Ball Mill #1		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0051	BC022 - K-Tron Weight Bell Feeder #2 on Ball Mill #1		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0052	BC023 - K-Tron Weight Bell Feeder #1 on Ball Mill #2		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0053	BC024 - K-Tron Weight Bell Feeder #2 on Ball Mill #2		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0054	BC025 - K-Tron Weight Bell Feeder #1 on Ball Mill #3		40000 tons/yr	40000 tons/yr		8760 hr/yr
EQT 0055	BC026 - K-Tron Weight Bell Feeder #2 on Ball Mill #3		40000 tons/yr	40000 tons/yr		8760 hr/yr
EQT 0056	BC031 - Kiln Feed Bell Conveyor		40000 tons/yr	40000 tons/yr		8760 hr/yr
EQT 0057	BC032 - GP1 Conveyor		40000 tons/yr	40000 tons/yr		8760 hr/yr
EQT 0058	BC033 - GP2 Conveyor		40000 tons/yr	40000 tons/yr		8760 hr/yr
EQT 0059	BC034 - Kiln #3 Feed Transfer Bell Conveyor		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0060	BC044 - Kiln #3 Feed Bell #1		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0061	Kiln #3 Feed Bell #2		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0062	BC046 - Ball Mill #1 K-Tron Weight Bell #1 Feeder #3		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0063	BC047 - Ball Mill #1 K-Tron Weight Bell #1 Feeder #4		70080 tons/yr	70080 tons/yr		8760 hr/yr
EQT 0064	BE002 - Dock #1 Bucket Elevator		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0065	BE003 - Plant 1 Silo Area Off-Size Bucket Elevator		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0066	BE004 - Rail-car Bucket Elevator at the End of the Runway		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0067	BE005 - #1 Kiln Refire Bell Feeder		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0068	BE006 - Kiln #3 Cooler Discharge Bucket Elevator		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0069	BE007 - Kiln #3 Feed Bucket Elevator		76212 tons/yr	76212 tons/yr		8760 hr/yr
EQT 0070	BE008 - Rescreen Station Bucket Elevator		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0071	BE009 - Kiln #1 Finished Product Bucket Elevator		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0072	SE002 - Rescreen Station		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0074	N008-02 - RC Thermal Oxidizer		2.6 MM BTU/hr	2.36 MM BTU/hr		8760 hr/yr
EQT 0075	N008-01 - RC Heater		5.5 MM BTU/hr	5 MM BTU/hr		8760 hr/yr
EQT 0076	NT008-03 - RC Nuisance Dust Collector		20000 SCFM	20000 SCFM		8760 hr/yr
EQT 0077	BC06C - RC Proppant Cooler Discharge Conveyor		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0078	BC061 - RC Proppant Rotex Screen Discharge Conveyor		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0079	BE017 - RC Proppant Cooler Discharge Bucket Elevator		75000 tons/yr	75000 tons/yr		8760 hr/yr

INVENTORIES

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
Activity Number: PER20080002
Permit Number: 1260-000027-V3
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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
New Iberia Facility						
EQT 0080	EE018 - RC Proppant Silo Bucket Elevator		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0081	SE006 - RC Proppant Rotex Screened		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0082	EC051 - RC Cooler Transfer Belt Conveyor		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0083	EC053 - RC Transfer Belt Conveyor		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0084	EC054 - RC Proppant Feed Belt Conveyor		876000 tons/yr	876000 tons/yr		8760 hr/yr
EQT 0085	EC056 - Cone Crusher Feed Belt		262800 tons/yr	262800 tons/yr		8760 hr/yr
EQT 0086	EC057 - Cone Crusher Product Belt		262800 tons/yr	262800 tons/yr		8760 hr/yr
EQT 0087	EC058 - RC Hopper Discharge Belt Conveyor		438000 tons/yr	438000 tons/yr		8760 hr/yr
EQT 0088	BC059 - No. 1 Uncalcined Belt Conveyor		87600 tons/yr	87600 tons/yr		8760 hr/yr
EQT 0089	BE014 - RC Raw Material Bucket Elevator		876000 tons/yr	876000 tons/yr		8760 hr/yr
EQT 0090	BE015 - RC Proppant Feed Bucket Elevator		438000 tons/yr	438000 tons/yr		- 8760 hr/yr
EQT 0091	BE016 - RC Finished Product Bucket Elevator		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0092	SB001 - RC Proppant Storage Bin		876000 tons/yr	876000 tons/yr		8760 hr/yr
EQT 0093	SB002 - RC Proppant Day Bin		438000 tons/yr	438000 tons/yr		8760 hr/yr
EQT 0094	SE005 - RC Grizzly Screen		75000 tons/yr	75000 tons/yr		8760 hr/yr
EQT 0095	CR001 - Cone Crusher		262800 tons/yr	262800 tons/yr		8760 hr/yr
EQT 0096	SE007 - No. 1 Raw Material Grizzly Screen		17500 tons/yr	17500 tons/yr		8760 hr/yr
EQT 0097	BC062 - RC Raw Material Unloading Conveyor		98550 tons/yr	98550 tons/yr		8760 hr/yr
EQT 0098	EC063 - RBT Transloader		57500 tons/yr	57500 tons/yr		8760 hr/yr
EQT 0099	CR002 - Crusher		12500 tons/yr	12500 tons/yr		8760 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
New Iberia Facility						
EQT 0002	NI07-01 - Dryer #1 Dust Collector Stack	58.37	20800	2.75		50.13
EQT 0003	NI78-02 - Uncalcined Dust Collector Stack	58.37	20800	2.75		50
EQT 0004	NI81-07 - Rotary Gas Drier #2 Dust Collector Stack	58.31	10600	1.96	3.03	92.33
EQT 0005	NI81-09 - Uncalcined Dust Collector Stack	91.47	20800	2.2	3.79	88.33
EQT 0006	NI82-12 - Klin #1 Dust Collector Stack	148.55	7000	1		100
EQT 0007	NI81-12 - Klin #2 Dust Collector Stack	94.31	10000	1.5		100
EQT 0008	NI83-12 - Klin #3 Dust Collector Stack	66.02	7000	1.5		100
EQT 0009	NI82-10 - Calcined Dust Collector Stack	128.1	18600	1.76	2.42	88.33
EQT 0010	NI82-15 - Calcined Dust Collector Stack	136.61	10600	1.25	1.22	45.12
EQT 0011	NI84-16 - Tank T-7 Bin Vent	2.34	1000	3.01	7.11	50
EQT 0012	NI84-17 - Fresh Feed Tank Bin Vent Dust Collector East/West	4.17	1000	2.26	4	49.5

INVENTORIES

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
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Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
New Iberia Facility								
EQT 0013	N184-18 - Remix Bin Vent Dust Collector East/West		2.34	1000	3.01	7.11	57	72
EQT 0014	N184-21 - Ball Mill #3		50.51	3000	1.12	.99	88.33	80
EQT 0074	N108-02 - RC Thermal Oxidizer		84.88	9000	1.5		90	1000
EQT 0075	N108-01 - RC Heater		14.15	1500	1.5		90.24	1000
EQT 0076	N108-03 - RC Nuisance Dust Collector		67.91	20000	2.5		90.24	80

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	FUG001a - Non-NSPS Outside Fugitive Emissions CAP
CRG 0002	Common Requirements Group	FUG001b - Non-NSPS Outside Fugitive Emissions CAP
CRG 0003	Common Requirements Group	FUG002a - NSPS Outside Fugitive Emissions CAP
CRG 0004	Common Requirements Group	FUG002b - NSPS Outside Fugitive Emissions CAP
CRG 0005	Common Requirements Group	FUG003a - Plant 1 Non-NSPS Inside Fugitive Emissions CAP
CRG 0006	Common Requirements Group	FUG003b - Plant 1 Non-NSPS Inside Fugitive Emissions CAP
CRG 0007	Common Requirements Group	FUG004a - Plant 1 NSPS Inside Fugitive Emissions CAP
CRG 0008	Common Requirements Group	FUG004b - Plant 1 NSPS Inside Fugitive Emissions CAP
CRG 0009	Common Requirements Group	FUG004c - Plant 1 NSPS Inside Fugitive Emissions CAP
CRG 0010	Common Requirements Group	FUG005a - Plant 2 Non-NSPS Inside Fugitive Emissions CAP
CRG 0011	Common Requirements Group	FUG005b - Plant 2 Non-NSPS Inside Fugitive Emissions CAP
CRG 0012	Common Requirements Group	FUG005c - Plant 2 Non-NSPS Inside Fugitive Emissions CAP
CRG 0013	Common Requirements Group	FUG005d - Plant 2 Non-NSPS Inside Fugitive Emissions CAP
CRG 0014	Common Requirements Group	FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP
GRP 0002	Equipment Group	FUG007 - Non-NSPS Outside Fugitive Emissions CAP
GRP 0003	Equipment Group	FUG002 - NSPS Outside Fugitive Emissions CAP
GRP 0004	Equipment Group	SO ₂ CAP - Kiln SO ₂ CAP
GRP 0005	Equipment Group	FUG003 - Plant 1 Non-NSPS Inside Fugitive Emissions CAP
GRP 0006	Equipment Group	FUG004 - Plant 1 NSPS Inside Fugitive Emissions CAP
GRP 0007	Equipment Group	FUG005 - Plant 2 Non-NSPS Inside Fugitive Emissions CAP
GRP 0008	Equipment Group	FUG006 - Plant 2 NSPS Inside Fugitive Emissions CAP
JNF 0001	Unit or Facility Wide	CARBO - New Iberia Facility

Group Membership:

INVENTORIES

AI ID: 5051 - CARBO Ceramics Inc - New Iberia
 Activity Number: PER20080002
 Permit Number: 1260-00027-V3
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Group Membership:

ID	Description	Member of Groups
EQT 0006	NI82-2 - Kiln #1 Dust Collector Stack	GRP0000000004
EQT 0007	NI81-2 - Kiln #2 Dust Collector Stack	GRP0000000004
EQT 0008	NI83-2 - Kiln #3 Dust Collector Stack	GRP0000000004
EQT 0015	BC007 - Plant 1 Silo Area Silo 1-1 Scale Belt Conveyor	CRG0000000001, GRP0000000002
EOT 0016	BC008 - Plant 1 Silo Area Shuttle Belt Conveyor	CRG0000000001, GRP0000000002
EQT 0017	BC011 - Product Weight Belt	GRP0000000005
EOT 0018	BC016 - #1 Kiln Feed Conveyor	GRP0000000005
EQT 0019	BC018 - Plant 2 Dryer #2 Dryer Feed Conveyor	GRP0000000007
EQT 0020	BC019 - Plant 1 Dryer Feed Conveyor	GRP0000000005
EQT 0021	BC027 - Plant 1 Silo Area Silo 1-2 & 1-3 Scale Conveyor	CRG0000000001, GRP0000000002
EQT 0022	BC028 - T-69 & T-71 Belt Feeder	CRG0000000005, GRP0000000005
EQT 0023	BC029 - Product Loadout Conveyor #1	CRG0000000002, GRP0000000002
EQT 0024	BC030 - Product Loadout Conveyor #2	CRG0000000002, GRP0000000002
EQT 0025	BC035 - Plant 1 Mixer #1 Belt Conveyor	CRG0000000006, GRP0000000005
EQT 0026	BC036 - Plant 1 Mixer #2 Belt Conveyor	CRG0000000006, GRP0000000005
EQT 0027	BC037 - Plant 1 Mixer #3 Belt Conveyor	CRG0000000006, GRP0000000005
EQT 0028	BC038 - Plant 1 Mixer #4 Belt Conveyor	CRG0000000006, GRP0000000005
EQT 0029	BC039 - Plant 2 Mixer #1 Belt Conveyor	CRG0000000010, GRP0000000007
EQT 0030	BC040 - Plant 2 Mixer #2 Belt Conveyor	CRG0000000010, GRP0000000007
EOT 0031	BC041 - Plant 2 Mixer #3 Belt Conveyor	CRG0000000010, GRP0000000007
EQT 0032	BC042 - Plant 2 Mixer #4 Belt Conveyor	CRG0000000010, GRP0000000007
EQT 0033	BC043 - Plant 2 Mixer #5 Belt Conveyor	CRG0000000010, GRP0000000007
EQT 0034	BE001 - T-69 & T-71 Elevator	CRG0000000005, GRP0000000005
EQT 0035	BE010 - #1 Ball Mill Raw Material Bucket Elevator	CRG0000000001, GRP0000000002
EQT 0036	BE011 - #2 Ball Mill Raw Material Bucket Elevator	CRG0000000005, GRP0000000005
EQT 0037	BE012 - #3 Ball Mill Raw Material Bucket Elevator	CRG0000000007
EQT 0038	BC001 - Light-Weight Loadout Campbell Bell Conveyor	CRG0000000003, GRP0000000003
EQT 0039	BC002 - Kiln #3 Feed Tank Conveyor	CRG0000000001, GRP0000000003
EQT 0040	BC003 - Dock #1 Campbell Bell Conveyor	CRG0000000003, GRP0000000003
EQT 0041	BC004 - Rail-Scale Long Belt Conveyor	CRG0000000003, GRP0000000003
EQT 0042	BC005 - Rail-Scale Cross Belt Conveyor	CRG0000000003, GRP0000000003
EQT 0043	BC006 - Rail-Scale Shuttle Belt Conveyor	CRG0000000003, GRP0000000003
EOT 0044	BC009 - Plant 1 Silo Area Off-Size Rarat Belt Conveyor	CRG0000000004, GRP0000000003
EQT 0045	BC010 - Kiln #1 Finished Product #1 Belt Conveyor	CRG0000000007, GRP0000000006
EQT 0046	BC014 - Kiln #3 Feed Conveyor	CRG0000000007, GRP0000000006
EQT 0047	BC015 - Kiln #3 Carbo Sifter Feed Conveyor	CRG0000000007, GRP0000000006
EQT 0048	BC017 - Kiln #1 Finished Product #2 Belt Conveyor	CRG0000000007, GRP0000000006
EQT 0049	BC020 - Ball Mill #1 Feeder (T7 tank)	CRG0000000008, GRP0000000006
EQT 0050	BC021 - K-Tron Weight Belt Feeder #1 on Ball Mill #1	CRG0000000004, GRP0000000003
EQT 0051	BC022 - K-Tron Weight Belt Feeder #2 on Ball Mill #1	CRG0000000004, GRP0000000003
EQT 0052	BC023 - K-Tron Weight Belt Feeder #1 on Ball Mill #2	CRG0000000008, GRP0000000006

INVENTORIES

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Group Membership:

ID	Description	Member of Groups
EOT 0053	BC024 - K-Tron Weight Belt Feeder #2 on Ball Mill #2	CRG0000000008, GRP0000000006
EOT 0054	BC025 - K-Tron Weight Belt Feeder #1 on Ball Mill #3	CRG0000000014, GRP0000000008
EOT 0055	BC026 - K-Tron Weight Belt Feeder #2 on Ball Mill #3	CRG0000000014, GRP0000000008
EOT 0056	BC031 - Kiln Feed Belt Conveyor	CRG0000000014, GRP0000000008
EQT 0057	BC032 - GP1 Conveyor	CRG0000000014, GRP0000000008
EOT 0058	BC033 - GP2 Conveyor	CRG0000000014, GRP0000000008
EQT 0059	BC034 - Kiln #3 Feed Transfer Belt Conveyor	CRG0000000007, GRP0000000006
EOT 0060	BC044 - Kiln #3 Feed Belt #1	CRG0000000007, GRP0000000006
EQT 0061	BC045 - Kiln #3 Feed Belt #2	CRG0000000007, GRP0000000006
EOT 0062	BC046 - Ball Mill #1 K-Tron Weight Belt #1 Feeder #3	CRG0000000004, GRP0000000003
EOT 0063	BC047 - Ball Mill #1 K-Tron Weight Belt #1 Feeder #4	GRP0000000003
EOT 0064	BE002 - Dock #1 Bucket Elevator	CRG0000000003, GRP0000000003
EOT 0065	BE003 - Plant 1 Silo Area Off-Size Bucket Elevator	CRG0000000004, GRP0000000003
EOT 0066	BE004 - Rail-car Bucket Elevator at the End of the Runway	CRG0000000003, GRP0000000003
EOT 0067	BE005 - #1 Kiln Refire Belt Feeder	CRG0000000007, GRP0000000006
EOT 0068	BE006 - Kiln #3 Cooler Discharge Bucket Elevator	CRG0000000007, GRP0000000006
EOT 0069	BE007 - Kiln #3 Feed Bucket Elevator	CRG0000000007, GRP0000000006
EOT 0070	BE008 - Rescreen Station Bucket Elevator	CRG0000000008, GRP0000000006
EQT 0071	BE009 - Kiln #1 Finished Product Bucket Elevator	CRG0000000008, GRP0000000006
EOT 0072	SE000 - Rescreen Station	CRG0000000008, GRP0000000006
EOT 0077	BC060 - RC Proppant Cooler Discharge Conveyor	CRG0000000011, GRP0000000007
EQT 2078	BC061 - RC Proppant Rotex Screener Discharge Conveyor	CRG0000000011, GRP0000000007
EQT 0079	BE017 - RC Proppant Cooler Discharge Bucket Elevator	CRG0000000011, GRP0000000007
EOT 0080	BE018 - RC Proppant Silo Bucket Elevator	CRG0000000011, GRP0000000007
EOT 0081	SE006 - RC Proppant Rotex Screener	CRG0000000011, GRP0000000007
EOT 0082	BC051 - RC Cooler Transfer Belt Conveyor	CRG0000000011, GRP0000000007
EOT 0083	BC053 - RC Transfer Belt Conveyor	CRG0000000011, GRP0000000007
EOT 0084	BC054 - RC Proppant Feed Belt Conveyor	CRG0000000012, GRP0000000007
EOT 0085	BC056 - Cone Crusher Feed Belt	CRG0000000009, GRP0000000006
EOT 0086	BC057 - Cone Crusher Product Belt	CRG0000000013, GRP0000000007
EOT 0087	BC058 - RC Hopper Discharge Belt Conveyor	CRG0000000006
EQT 0088	BC059 - No. 1 Undecked Belt Conveyor	CRG0000000012, GRP0000000007
EOT 0089	BE014 - RC Raw Material Bucket Elevator	CRG0000000013, GRP0000000007
EOT 0090	BE015 - RC Proppant Feed Bucket Elevator	CRG0000000011, GRP0000000007
EOT 0091	BE016 - RC Finished Product Bucket Elevator	CRG0000000011, GRP0000000007
EQT 0092	SB001 - RC Proppant Storage Bin	CRG0000000012, GRP0000000007
EOT 0093	SB002 - RC Proppant Day Bin	CRG0000000013, GRP0000000007
EOT 0094	SE005 - RC Grizzly Screen	CRG0000000011, GRP0000000006
EOT 0095	CR001 - Cone Crusher	CRG0000000009, GRP0000000006
EOT 0096	SE007 - No. 1 Raw Material Grizzley Screen	GRP0000000007
EOT 0099	CR002 - Crusher	GRP0000000005

INVENTORIES

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Group Membership:

ID	Description	Member of Groups

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0860	0860 Clay Kiln	3	Units

SIC Codes:

3295	Minerals and earths, ground or otherwise treated	AI 5051
3295	Minerals and earths, ground or otherwise treated	UNF 001